

**OOMYCETE FTSZ-MT AS A TARGET FOR OOMYCETE-SPECIFIC
FUNGICIDES**

Abstract of the Disclosure

5 The invention relates to a genes isolated from an oomycete that encode
homologs of an FtsZ protein. The invention includes methods of using these proteins to
discover new antimicrobials, based on the essentiality of the gene for normal growth
and development. The invention can also be used in screening assays to identify
inhibitors that are potential antimicrobials. These antimicrobials may be used in a
method of controlling oomycete growth on crop plants and seeds.

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